



## Specifications for ANSI X12 4010 860

# SUMMARY

This transaction set is used to communicate from Danfoss Power Solutions the contents of a purchase order change.

Danfoss Power Solutions uses the ANSI X12 – 860 (PC) specification version 4010. This specification is included as well as an example.

### Notes regarding PC transmission from Danfoss Power Solutions

- All of the segments in the 860 are not illustrated, just the mandatory segments and the ones Danfoss PS uses. Refer to your EDI standards documentation for further information.

### Special Characters

Delimiters

Danfoss PS uses the asterisk (\*) for the element separator, the tilde (~) for the segment terminator, and the colon (:) for the sub-element separator.

### VAN Information - Value Added Network

Danfoss Power Solutions currently uses the IBM Sterling B2B Integration network, including interconnects to other networks and communication protocols.

Please contact [srhelp@us.ibm.com](mailto:srhelp@us.ibm.com) or visit <http://www.ibm.com/support>.

### ISA/GS Information

#### Test

ISA ID qualifier: **ZZ**

ISA ID: **DANFOSSPSTST or TUROLLATST or COMATROLTST ro VALMOVATST**

GS ID: **DANFOSSPSTST or TUROLLATST or COMATROLTST ro VALMOVATST**

#### Production

ISA ID qualifier: **ZZ**

ISA ID: **DANFOSSPS or TUROLLA or COMATROL ro VALMOVA**

GS ID: **DANFOSSPS or TUROLLA or COMATROL ro VALMOVA**

EDI Contact:

PS.EDI@Danfoss.com



Specifications for ANSI X12 4010 860

# 860

## Purchase Order Change Request

Functional Group = **PC**

This Standard contains the format and establishes the data contents of the Purchase Order Change Request Transaction Set (860) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase order changes for goods and services.

### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	<a href="#">ST</a>	Transaction Set Header	M	1		
020	<a href="#">BCH</a>	Beginning Segment for Purchase Order Change	M	1		
030	<a href="#">CUR</a>	Currency	O	1		
060	<a href="#">PER</a>	Administrative Communications Contact	O	3		

<u>LOOP ID - N1</u>				<u>200</u>
300	<a href="#">N1</a>	Name	M	1
310	<a href="#">N2</a>	Additional Name	O	1
320	<a href="#">N3</a>	Address Information	O	2
330	<a href="#">N4</a>	Geographic Location	O	>1

### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<u>LOOP ID - POC</u>					<u>100000</u>	
010	<a href="#">POC</a>	Line Item Change	M	1		
050	<a href="#">PID</a>	Product/Item Description	M	1		
292	<a href="#">MSG</a>	Message Text	O	999		

<u>LOOP ID - SCH</u>				<u>200</u>
295	<a href="#">SCH</a>	Line Item Schedule	O	1

### Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<u>LOOP ID - CTT</u>					<u>1</u>	
010	<a href="#">CTT</a>	Transaction Totals	O	1		
030	<a href="#">SE</a>	Transaction Set Trailer	M	1		



**Specifications for ANSI X12 4010 860**

**REVISION HISTORY**

<b>VERSION</b>	<b>DATE</b>	<b>REMARKS</b>
<b>1.0</b>	<b>11/01/2013</b>	<b>Original</b>



## Specifications for ANSI X12 4010 860

# ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To indicate the start of a transaction set and to assign a control number

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3				
		<table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>860</td><td>Purchase Order Change</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	860	Purchase Order Change			
<u>Code</u>	<u>Name</u>								
860	Purchase Order Change								
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9				



Specifications for ANSI X12 4010 860

# BCH Beginning Segment for Purchase Order Change (Header)

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

To indicate the beginning of the Purchase Order Change Transaction set and transmit identifying numbers and dates.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>						
BCH01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set	M	ID	2/2						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>01</td> <td>Cancel</td> </tr> <tr> <td>04</td> <td>Change</td> </tr> </table>	<u>Code</u>	<u>Name</u>	01	Cancel	04	Change			
<u>Code</u>	<u>Name</u>										
01	Cancel										
04	Change										
BCH02	92	Purchase Order Type Code Description: Code specifying the type of Purchase Order	M	ID	2/2						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>CP</td> <td>Change to Purchase Order</td> </tr> </table>	<u>Code</u>	<u>Name</u>	CP	Change to Purchase Order					
<u>Code</u>	<u>Name</u>										
CP	Change to Purchase Order										
BCH03	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22						
BCH06	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8						



## Specifications for ANSI X12 4010 860

# CUR Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

To specify the currency (dollars, pounds, francs, etc.) used in a transaction

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>								
CUR01	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <b>Description: Code identifying purpose of transaction set</b>	O	ID	2/3								
		<table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>BY</td><td>Buying Party (Purchaser)</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	BY	Buying Party (Purchaser)							
<u>Code</u>	<u>Name</u>												
BY	Buying Party (Purchaser)												
CUR02	100	<b>Currency Code</b> <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified	O	ID									
		<table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>USD</td><td>US Dollars</td></tr><tr><td>EUR</td><td>Euros</td></tr><tr><td>Etc.</td><td></td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	USD	US Dollars	EUR	Euros	Etc.				
<u>Code</u>	<u>Name</u>												
USD	US Dollars												
EUR	Euros												
Etc.													



Specifications for ANSI X12 4010 860

# PER Administrative Communications Contact

Pos: 060 Max: 1  
Heading - Mandatory  
Loop: N/A Elements: 6

To identify a person or office to whom administrative communications should be directed.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	353	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named	M	ID	2/2
		<u>Code</u> BD			
		<u>Name</u> Buyer Name or Department			
PER02	93	Name Description: Free-form Name	O	AN	1/60
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number	M	AN	1/22
		<u>Code</u> TE			
		<u>Name</u> Telephone			
PER04	364	Communication Number Description: Complete communication number including country or area code when applicable	M	DT	8/8
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number	X	ID	2/2
		<u>Code</u> FX			
		<u>Name</u> Facsimile			
PER06	364	Communication Number Description: Complete communication number including country or area code when applicable	X	AN	1/80



# Specifications for ANSI X12 4010 860

## N1 Name

Pos: 300	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

To identify a party by type of organization, name, and code.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	Entity Identifier Code Description: Code identifying purpose of transaction set	M	ID	2/3
		<u>Code</u> SU			
		<u>Name</u> Supplier/Manufacturer			
N102	93	Name Description: Free-form name	X	AN	1/60
		<u>Code</u> Your supplier name			
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67)	X	ID	1/2
		<u>Code</u> 92			
		<u>Name</u> Assigned by buyer or buyer's agent			
N104	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80
		<u>Code</u> Your supplier number			





# Specifications for ANSI X12 4010 860

## N1 Name

Pos: 300	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

To identify a party by type of organization, name, and code.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N101	98	Entity Identifier Code Description: Code identifying purpose of transaction set	M	ID	2/3				
		<table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td style="text-align: center;">ST</td> <td style="text-align: center;">Ship To</td> </tr> </table>	<u>Code</u>	<u>Name</u>	ST	Ship To			
<u>Code</u>	<u>Name</u>								
ST	Ship To								
N102	93	Name Description: Free-form name	X	AN	1/60				
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67)	X	ID	1/2				
		<table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">Plant Code</td> </tr> </table>	<u>Code</u>	<u>Name</u>	6	Plant Code			
<u>Code</u>	<u>Name</u>								
6	Plant Code								
N104	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80				
		<table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td></td> </tr> <tr> <td style="text-align: center;">Danfoss PS Plant Code</td> <td></td> </tr> </table>	<u>Code</u>		Danfoss PS Plant Code				
<u>Code</u>									
Danfoss PS Plant Code									



Specifications for ANSI X12 4010 860

## N2 Additional Name Information

Pos: 310	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

Additional name information.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N201	093	Name Description: Name Information	M	AN	1/60
N202	093	Name Description: Name Information	O	AN	1/60



## Specifications for ANSI X12 4010 860

# N3 Address Information

Pos: 320	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 2

To specify the location of the named party.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N301	166	Address Information Description: Address Information	M	AN	1/55
N302	166	Address Information Description: Address Information	O	AN	1/55



## Specifications for ANSI X12 4010 860

# N4 Geographic Location

Pos: 330	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

To specify the geographic place of the named party.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N401	19	City Name Description: Free-form text for city name	M	AN	2/30
N402	156	State or Province Code Description: Code(Standard State/Province) as defined by appropriate government agency	M	ID	2/2
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M	ID	3/15
N404	26	Country Code Description: Code identifying the country	M	ID	2/3



Specifications for ANSI X12 4010 860

# POC Line Item Change

Pos: 010	Max: 99999
Detail - Mandatory	
Loop: POC	Elements: 12

To specify basic and most frequently used line item data.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>												
POC01	350	<b>Assigned Identification</b> Description: Alphanumeric characters assigned for differentiation within a transaction set	M	AN	1/20												
POC02	670	<b>Change or Response Type Code</b> Description: Code specifying the type of Purchase Order	M	ID	2/2												
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>AI</td> <td>Add Additional Item</td> </tr> <tr> <td>CA</td> <td>Change to Line Item</td> </tr> <tr> <td>DI</td> <td>Delete Item</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	AI	Add Additional Item	CA	Change to Line Item	DI	Delete Item							
<u>Code</u>	<u>Name</u>																
AI	Add Additional Item																
CA	Change to Line Item																
DI	Delete Item																
POC03	330	<b>Quantity Ordered</b> Description: Quantity Ordered	X	R	1/15												
POC05	355	<b>Unit or Basis for Measurement Code</b> Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2												
POC06	212	<b>Unit Price</b> Description: Price per unit of product, service, commodity, etc.	X	R	1/17												
POC07	639	<b>Basis of Unit Price Code</b>	X	ID	2/2												
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>TE</td> <td>Price per Each</td> </tr> <tr> <td>PN</td> <td>Price per Ten</td> </tr> <tr> <td>PD</td> <td>Price per Dozen</td> </tr> <tr> <td>TC</td> <td>Price per Hundred</td> </tr> <tr> <td>TM</td> <td>Price per Thousand</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	TE	Price per Each	PN	Price per Ten	PD	Price per Dozen	TC	Price per Hundred	TM	Price per Thousand			
<u>Code</u>	<u>Name</u>																
TE	Price per Each																
PN	Price per Ten																
PD	Price per Dozen																
TC	Price per Hundred																
TM	Price per Thousand																
POC08	235	<b>Product/Service ID Qualifier</b> Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2												
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BP</td> <td>Buyer's part number</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BP	Buyer's part number											
<u>Code</u>	<u>Name</u>																
BP	Buyer's part number																
POC09	234	<b>Product/Service ID</b> Description: Identifying number for a product or service	X	AN	1/48												

Danfoss Material Number



## Specifications for ANSI X12 4010 860

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
POC10	235	<b>Product/Service ID Qualifier</b> Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2				
		<table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>VP</td><td>Supplier's material number</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	VP	Supplier's material number			
<u>Code</u>	<u>Name</u>								
VP	Supplier's material number								
POC11	234	<b>Product/Service ID</b> Description: Identifying number for a product or service  Supplier Part Number	X	AN	1/48				
POC12	235	<b>Product/Service ID Qualifier</b> Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2				
		<table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>EC</td><td>Engineering Change Revision Level</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	EC	Engineering Change Revision Level			
<u>Code</u>	<u>Name</u>								
EC	Engineering Change Revision Level								
POC13	234	<b>Product/Service ID</b> Description: Identifying number for a product or service  EC Level	X	AN	1/48				



## Specifications for ANSI X12 4010 860

# PID Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: POC	Elements: 2

To provide a free-form format that allows the transmission of text information

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PID 01	349	Item Description Type	M	ID	1/1
		<b>Description:</b> Code indicating the format of a description			
		<u>Code:</u>	<u>Name:</u>		
		F	Free form		
PID 05	352	Description	X	AN	1/264
		<b>Description:</b> A free-form description to clarify the related data elements and their content			



## Specifications for ANSI X12 4010 860

# MSG Message Text

Pos: 292	Max: 999
Detail - Optional	
Loop: POC	Elements: 1

To provide a free-form format that allows the transmission of text information

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG 01	933	Free-Form Message Text	O	AN	1/264





## Specifications for ANSI X12 4010 860

# SCH Line Item Schedule

Pos: 295	Max: 9999
Heading - Mandatory	
Loop: SCH	Elements: 4

To specify the data for scheduling a specific line-item.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
SCH01	380	Quantity Description: Numeric value of quantity	M	R	1/15				
SCH02	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2				
SCH05	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	M	ID	3/3				
		<table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>002</td><td>Delivery Date</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	002	Delivery Date			
<u>Code</u>	<u>Name</u>								
002	Delivery Date								
SCH06	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8				



Specifications for ANSI X12 4010 860

# CTT Transaction Totals

Pos: 010	Max: 1
Heading - Optional	
Loop: CTT	Elements: 1

To transmit a hash total for a specific element in the transaction set.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items Description: Total number of line items in the transaction set	M	N0	1/6



Specifications for ANSI X12 4010 860

# SE Transaction Set Trailer

Pos: 030	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of a transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including the ST and SE segments	M	N0	1/10
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9

### Example:

```

ST*860*000001
BCH*01*CP*123456**20131001
CUR*BY*USD
PER*BD*BuyersName*TE*TelephoneNumber*FX*FaxNumber
N1*SU**92*SupplierNumber
N1*ST*Ship-toName*6*PlantCode
N2*Name2*Name3
N3*Address1*Address2.
N4*City*State*Zipcode*CountryCode.
POC*00001*AI*60**PC*10.23*TE*BP*SDMaterialNumber*VP*SupplierMaterialNumber*EC*RevisionNumber
MSG*TextMessage
SCH*5*PC***002*20100102
CTT*1
SE*10*000001

```